the state house and submitted them to a committee composed of Kittredge Haskins, Brattleboro; C. W. Brownell, Burlington, and T. C. Phinney.

BROCKTON, MASS.—Bids are asked by the supervising architect, Washington, D. C., until May 8 for the heating and ventilating apparatus for the U. S. building in this city.

SOUTHBRIDGE, MASS.—This town has appropriated $23,000 for the construction of a new school building. Geo. L. Clemence, Arch., Worcester, Mass.

NEWPORT, R. I.—R. W. Curry, Newport, is reported to have received the contract for erecting the new city hall building at $72,050; Lynch & Sullivan for installing the heating and ventilating plant at $4,300; Scannevin & Potter for the electric wiring and gas piping at $1,085, and Joseph Haire for plumbing at $3,497.

BROOKLYN, N. Y.—Reports state that an addition will be erected to the Brooklyn Institute, to cost $600,000. McKim, Mead & White, Archs., 160 5th Ave.

BUFFALO, N. Y.—Plans are being prepared, according to reports, for a 4-story brick apartment building on South Division St., near Hickory St., for George H. Brydon, to cost about $40,000.

ELLIS ISLAND, N.Y.H.—Bids are asked by the supervising architect, Washington, D. C., until May 16 for the erection and completion, except heating, wiring, etc., of the kitchen and restaurant building, and the disinfection, bath-house and laundry building, at the U. S. Immigrant Station, Ellis Island, as stated in our advertising columns.

NEW YORK, N. Y.—Bids are asked by the department of correction, 148 East 20th St., until May 11 for the plumbing and drainage of the new city prison; two sureties, $70,000. Francis J. Lantry, Comr.——Bids are asked by the board of education, at 585 Broadway, until April 24 for heating and ventilating apparatus, Public School 98; also heating and ventilating apparatus and electric lighting plant, Public School 173, Borough of The Bronx; also for alterations, repairs, etc., to Public Schools 6, 10, 11, 13, 14, 15, 19, 25, 36, 53, 70, 76, 78, 79, 82 and 161, Borough of Manhattan.——Plans will be prepared by Clinton & Russell, 32 Nassau St., for an 18-story office building for the American Exchange National Bank at 128 Broadway.——The Society for Ethical Culture proposes to erect a new building on property recently bought at Central Park West, between 63d and 64th Sts. J. D. Lange, Pres. ——Plans have been filed by Jas. H. Cassidy, 1879 2d Ave., for four 6-story brick flat buildings on 11th St., near 8th Ave., to cost $200,000. L. F. J. Weiher, Jr., Arch.; by E. W. Kilpatrick, 50 West 67th St., for two 6-story brick flat buildings, on 85th St., near Riverside Drive, to cost $80,000. Fred. Jacobsen, Arch., 54 West 18th St.; by Salvadore La Grassa, 743 East 137th St., for a 7-story brick flat building at 118th St. and Manhattan Ave., to cost $100,000. Neville & Bagge, Archs., 217 West 125th St.; by Ehrenreich Bros., 48 East 74th St., for an 8-story brick flat building at 81st St. and Madison Ave., to cost $125,000. Louis Korn, Arch.; by R. A. Chesebrough, 1200 Madison Ave., for an 11-story brick and stone office building at State and Pearl Sts., to cost $500,000. Clinton & Russell, Archs., 32 Nassau St.; G. A. Fuller Co., Builders; by Daniel Pierce, 302 West 150th St., for ten 5-story brick flat and store buildings at 8th Ave. and 151st and 152d Sts., to cost $259,000. John C. Burne, Arch.; by Wm. Picken, 56 West 113th St., for seven 3-story brick dwellings on 137th St., near 7th Ave., to cost $154,000. John Hauser, Arch., 1441 3d Ave.; by J. & G. Fleischman, 7 West 112th St., for four 5-story brick flat and store buildings at 119th St. and 5th Ave., to cost $90,000. Geo. F. Pelham; by L. Kaufman, 35 Nassau St., for seven 6-story brick flat and store buildings at 10 to 22 Rutgers Place, to cost $175,000. Schneider & Herter, Archs., Bible House.

JERSEY CITY, N. J.—The following bids are stated to have been received April 10 for erecting complete a new building for the Free Library: Norcross Bros., 160 5th Ave., New York, $208,191; H. Probst, 1180 Broadway, New York, $214,500; John T. Rowland & Son, Jersey City, 17,118; P. J. Carlin & Co., Brooklyn, N. Y., $218,000; M. T. Connolly, Jersey City, $222,640; Robertson & Son, Jersey City, $224,498; Jewkes & Son, Jersey City, $224,-999; Alexander Whan, $228,995; Jos. B. Smith, $233,000.

MORRIS PLAINS, N. J.—Bids are asked until May 4 for erecting a south wing to the new hospital building at Morris Plains for the New Jersey State Hospital; also for constructing a tunnel or subway to connect the new building with the boiler house, with elevator shaft, sewer pipes, etc. Robert C. Walsh, Arch.; Geo. W. Howell, Engr., both of Morristown, N. J.

BLAIRSVILLE, PA.—Bids are asked by the Derry township school board until April 21 for building an addition to the Blairsville Intersection school building. J. W. Rhoads, Pres.

CARLISLE, PA.—Bids are asked until April 24 for the erection of an 8-room school building in this borough; estimated total cost, $35,000; deposit, $500. Walter Stuart, Pres. of School Bd.; D. R. Miller & Co., Archs., 219 Market St., Harrisburg, Pa.

EASTON, PA.—Bids are asked until April 27 for erecting fair buildings for the Northampton County Agricultural Society. J. J. Maus, Secy., Nazareth, Pa.

FRITZTOWN, PA.—Bids are asked until April 20 for erecting a new school building at this place. A. S. Steeley, Secy., Fritztown; Wm. A. Fink, Arch., 426 Franklin St., Reading, Pa.

PHILADELPHIA, PA.—It is announced that improvements will be made to the buildings of the German Hospital, to cost $75,000.

WILKINSBURG, PA.—E. Z. Peffer is stated to have received the contract for erecting a new brick and terra cotta building for the First Presbyterian Church at Wood St. and Wallace Ave., to cost complete $75,000.

WASHINGTON, D. C.—Bids are asked by the District Commissioners, until April 27 for constructing a hot-air or hot-blast steam heating apparatus, with mechanical ventilating apparatus for the Lovejoy school building.——Bids are asked until May 17 for constructing a dead house at the Washington Barracks, D. C. Address the Quartermaster.

BALTIMORE, MD.—It is reported that J. Wilson Leaking represents a company of local capitalists which expects to erect a 10-story family hotel building on property recently purchased at Cathedral and Preston Sts.——Plans have been prepared for an additional story to the workshop building at St. Mary's Industrial School. Baldwin & Pennington, Archs.

KEYSER, W. VA.—The E. J. Friedlock Mfg. & Building Co., Piedmont, W. Va., is reported to have been awarded the contract for erecting a new jail at Keyser, at $8,006, to be completed by Sept. 1.

RALEIGH, N. C.—Bids are asked by the supervising architect, Washington, D. C., until April 27 for a low pressure return circulation steam heating and ventilating apparatus for the U. S. building at Raleigh.

SPARTANBURG, S. C.—Bids are asked by the First Presbyterian Church until May 2 for erecting a new church building. A. H. Twitchell, Chn. of Bldg. Com.; Golucke & Stewart, Archs., Atlanta, Ga.

ATLANTA, GA.—Bids are asked until April 22 for erecting the central building of Morris Brown College, at the Boulevard and Houston St. Rev. Jas. M. Henderson, Pres.

PULASKI, TENN.—Bids are asked until April 20, according to reports, for remodeling the old jail building and erecting a 2-story brick jailor's residence. Address J. B. Stacey.

TRENTON, TENN.—Hugger & Winston, Brewton, Ala., have been awarded the contract for erecting a new court house for Gibson county, to cost about $30,000. W. Chamberlain & Co., Archs., Knoxville, Tenn.

CLEVELAND, O.—Plans are being prepared for a new $70,000 convent building for the St. Joseph's Convent. Chas. W. Hopkins, Arch., 50 Euclid Ave.

CLEVELAND, O.—A fire in this city April 15 destroyed the 6-story building occupied by Comey & Johnson, hatters, and the 7-story brick building occupied by Hart & Co., at Academy and Bank Sts.; estimated loss, $882,000.

NILES, O.—This city has voted to issue $40,000 in bonds for a new high school building.

WARREN, O.—The Warren school district has voted to issue $30,000 of school bonds.

RICHMOND, IND.—Bids are asked until April 27 for constructing a building for the Eastern Indiana Hospital at Easthaven. S. E. Smith, Supt., Easthaven, Richmond; John A. Hasecoster, Arch., Richmond.

CENTREVILLE, MICH.—At an election in St. Joseph county it was voted to raise $37,500 for erecting a new court house at Centreville.

CHICAGO, ILL.—The legislature of Illinois has voted to appropriate $100,000 for building an armory and parade ground on the Lake front for the Illinois National Guard. ——Plans are being prepared, according to reports, for a new church building, 125 × 100 ft., to be erected at Wrightwood and Pine Grove Aves., for the Second Church of Christ, Scientists, to cost $75,000. S. S. Beman, Arch. ——Plans have been prepared for a new building for the Third Church of Christ, Scientist, at Washington Boulevard and Leavitt St., to cost 5$0,000. H. M. G. Garden, Arch.——W. A. & A. E. Wells are reported to have received the contract for erecting the Cable Bldg. at Wabash Ave. and Jackson Boulevard, to cost $175,000.

DE PERE, WIS.—Plans have been accepted for the new 3-story high school building, 40 × 100 ft., with a wing 18 × 50 ft., to be erected in this city. Van Ryn & De Gelleke, Milwaukee, Wis.

KENOSHA, WIS.—Z. G. Simmons is stated to have offered to present Kenosha with a new city hall building, to cost about $25,000.

WHITEHALL, WIS.—Bids are asked until May 4 for erecting a new insane asylum for Trempealeau county, to cost about $50,000. O. E. Gibbs, Chn.; John Charles, Arch., Menomonie, Wis.

DES MOINES, IA.—Charles Weitz, Des Moines, has been awarded the contract for erecting the new 5-story Younker Bldg., 134 × 90 ft., at West 7th and Walnut Sts., estimated to cost $100,000.

HARTLEY, IA.—Bids are asked until May 15 for erecting a brick church building for the Methodist Episcopal Church. D. A. McBurney, Pres. of Bd.; F. W. Kinney, Arch., Austin, Minn.

HALLOCK, MINN.—Bids are asked until May 9 for heating the court house of Kittson county.

ST. PAUL, MINN.—The following bids were received by the supervising architect, Washington, D. C., April 13, for an automatic temperature regulating apparatus for the public building in this city: Powers Regulator Co., Chicago, Ill., $3,875; time, 90 days. Johnson Electric Service Co., Milwaukee, Wis., $2,962, alternate, $2,669; time, 90 working days.——The following bids were received by the supervising architect April 13 for installing a low-pressure and exhaust steam heating mechanical ventilating apparatus in the U. S. building at St. Paul:

W. S. Mathieson, St. Paul, Minn., *120 days	$50,000
Gaylord & Eitapence, Binghamton, N.Y., 160 days.	51,000
Edward Joy, Syracuse, N. Y., *160 days	60,250
W. F. Porter & Co., Minneapolis, 160 days	48,933
Aug. J. Archambo, Minneapolis, *200 days	49,999
Chas. B. Kruse Heating Co., Milwaukee, *160 days.	50,970
Chafer & Becker, Cleveland, O., *160 days	56,971
Pond & Hasey Co., Minneapolis, 140 days	48,047
L. J. Mueller Furnace Co., Milwaukee, 160 days	49,386
George Morton, St. Paul, Minn	53,999
Borger Bros. & Co., Columbus, O., *160 days	60,447
Allan Black, St. Paul, Minn., 160 days	44,458

*Working days.

CROW CREEK, S. DAK.—Bids are asked by the Office of Indian Affairs, Washington, D. C., until May 12 for constructing one frame stable and brick warehouse and one frame laundry building at Crow Creek Agency. Jas. H. Stephens, U. S. Indian Agt., Crow Creek.

KANSAS CITY, MO.—The following bids were received by the supervising architect, Washington, D. C., April 10, for the interior finish, vault doors and linings, approaches, etc., for the U. S. building in Kansas City: W. H. Ellis, Cincinnati, O., $202,550; J. A. McGonigle, Leavenworth, Kan., $189,436; Hennessy & Cox, St. Paul, Minn., $199,900; Butler & Ryan Co., St. Paul, Minn., $205,300; Dugan & Hayne, Kansas City, Mo., $121,974; L. L. Leach & Son, Chicago, Ill., $169,000; E. F. Gobel, Chicago, Ill., $204,668; Henry Shenk, Erie, Pa., $234,773; Angus & McLeod Co., Minneapolis, Minn., $209,435; Richardson & Burgess, Washington, D. C., $214,382; Charles McCaul, Philadelphia, Pa., $232,000.

LITTLE ROCK, ARK.—A bill has been passed by the State Legislature providing for the erection of a new capitol building on the site of the present penitentiary, to cost about $1,000,000.

MONTGOMERY, TEX.—Bids are asked until May 1 for erecting a 2-story steel fireproof vault, etc., for Montgomery county. M. S. Cooper, County Judge.

GRAND JUNCTION, COLO.—The bids received by the Office of Indian Affairs, April 12, for a new steam heating plant for the local school, have been rejected. P. J. Moran, 238 State St., Salt Lake City, Utah, was the lowest bidder at $1,647.

SAN FRANCISCO, CAL.—Bids are asked by the navy department until May 10 for the construction of a commandant's house and an officers' quarters for the U. S. naval training station on Yerba Buena Island, San Francisco. A. S. Crowinshield, Ch. of Bureau of Navigation.

SAN CARLOS, ARIZ.—Bids are asked by the Office of Indian Affairs, Washington, D. C., until May 8, for constructing two adobe dormitories, dining hall, school building, water and sewer and irrigation systems, gasoline gas plant, etc., at the San Carlos Agency. Capt. H. P. Ritzius, U. S. Indian Agt.

WATER-WORKS.

WARREN, ME.—Leon O. Norwood, Civil Engr., Rockland, Me., writes us that the Warren Water Co. will lay about 1½ miles of 6 and 8-in. pipe as soon as the pipe can be secured. Pres. and Secy., F. A. Alden, Union, Me.; Treas., W. F. Wright, Warren.

ESSEX JUNCTION, VT.—The committee will soon submit a report regarding a water supply. It is proposed to either secure a supply from driven wells or from the river, in the latter case using filters; cost, $20,000.

WHITMAN, MASS.—An election will be held April 24 to vote on the question of obtaining a water supply from Silver Lake.

WILLIMANTIC, CONN.—The aldermen have voted to advertise for bids for furnishing a new pump at the works. Freeman C. Coffin, Engr., 53 State St., Boston, Mass.; Aldermen Taylor and Haggerty may be addressed.

ARCADE, N. Y.—G. N. Cowan writes us that the following have been awarded the contracts for the materials for the gravity works; Rennsaelaer Mfg. Co., Troy, N. Y., gates and hydrants; Lake Shore Foundry, Cleveland, O., pipe.

PEEKSKILL, N. Y.—Bids are asked by W. H. Clinton, Supt. Water-Wks., for furnishing about 2,800 ft. of 4 and 6-in cast-iron water pipe.

BORDON, N. Y.—The Seneca Springs Water Co. has been incorporated with a capital stock of $10,000, by Frank C. Hoffman, Chas. S. Coleman and J. C. Rose.

NEWARK, N. J.—Press report state that a contract has been let by the board of works for an auxiliary water supply from driven wells at Belleville. It provides for the periods of greatest consumption, in midsummer and midwinter. The contract price is $30,975, and the water is to be furnished next summer. The city counsel is also to draw up a contract with the East Jersey Water Co., by which the city will pay 4% interest on $800,000 for one year, the cost of a new water main to be built by the company from Little Falls, and to pay $36 a million gallons for any extra supply of water needed by the city before September, 1900, the city to agree to sell to the company after that date all its surplus water at the same price the company may charge to the city and until the water-works for Jersey City shall be completed. The period will be about four years. Mayor Seymour's signature will be necessary for this contract.

DARBY, PA.—An injunction restraining this city from sinking wells for a new water supply has been quashed. An artesian is now being sunk to a depth of 500 ft. by Geo. H. Orcott. Councilman C. H. Clarke may be addressed.

HAZLETON, PA.—Local papers state that the Hazleton Water Co. will soon begin extending its pipe line along Hartz Creek.

PHILADELPHIA, PA.—Ordinances have been passed to lay pipes in a number of streets.—The finance committee has authorized an appropriation of $25,000 for employing experts to examine the water supply, with a view to improving it. Wm. H. Baker, Clk.

PHILADELPHIA, PA.—Bids are soon to be asked for plans and specifications for the construction of a new pumping station with sedimentation basins and filtering beds, having a capacity of not less than 150,000,000 gallons a day, on the Delaware River, above Lardner's Point, within the city limits. Estimated cost, $600,000.

PUNXSUTAWNEY, PA.—An election will be held May 23 to vote on the question of issuing $35,000 in bonds for purchasing the works of the Punxsutawney Water Co.

WILMINGTON, DEL.—The water department has decided to build a water tower in Brandywine Park. Plans are being prepared by T. A. Leisen, Park Engr.

WASHINGTON, D. C.—Engineer Commissioner Beach has recommended that the contract for building the new middle service reservoir for the District of Columbia at Brightwood, be let to R. A. Malone, Lancaster, Pa., who bids as follows: Excavating 30,000 cu. yds., $12,000; 11,-000 sq. yds. of concrete work, $79,200; furnish 3,000 sq. ft. of Warsaw, N. Y., sandstone coping, $3,000; two gatehouses, $7,300; total, $101,500.

HAVRE DE GRACE, MD.—The Point Concord Water Co. has been incorporated, with a capital stock of $12,000, by Lawrence B. McCabe, Baltimore county; Dr. D. W. Hopkins, Havre de Grace, and others. The supply will be secured from the rockbed streams on the property of Mr. McCabe.

REIDSVILLE, N. C.—Bids are asked until May 2 for the purchase of $25,000 of 5% 30-year water bonds for the proposed works. C. N. Evans, Cy. Treas.

ATLANTA, GA.—W. C. Taylor, Secy. to Mayor, writes us that this city voted, April 15, against issuing $210,000 in bonds for extending the water mains.—The city will lay a 6-in. main to the barracks at Fort McPherson.

BAINBRIDGE, GA.—B. Nussbaum, Cy. Clk., writes us that an election has been ordered to vote on the question of issuing $30,000 in bonds for extending the mains and for putting in standpipe, fire plugs, etc.

WASHINGTON, GA.—This place, it is reported, has voted to issue $30,000 in bonds for works, an electric plant and a sewerage system.

PRATT CITY, ALA.—P. M. McNeil, formerly Chn. Water Com., writes us that $25,000 in bonds for the proposed works will be sold inside of the next three months, and the works constructed during the summer. Address E. J. Hudnall, Mayor.

MEMPHIS, TENN.—Councilman Walsh is urging the council to erect an auxiliary water-works at a cost of about $400,000.

ELIZABETHTOWN, KY.—Walsh & Weidner, Chattanooga, Tenn., have been awarded the contract for furnishing and erecting a standpipe. R. L. Wintersmith, Mayor.

GALLATIN, TENN.—Bids are asked until May 15 for furnishing the materials and for constructing works, as described in our advertising columns. E. O. Buchanan, Secy.; Walter G. Kirkpatrick, Engr., Jackson, Miss.

COLLEGE HILL, O.—Bids are asked until May 1 for furnishing the materials and for constructing works to cost about $100,000. E. F. Layman, Engr., 32 E. Third St., Cincinnati; F. R. Strong, Village Clk.

GALLIPOLIS, O.—J. F. Mack, of Sandusky, trustee of the Ohio State Hospital for Epileptics, at Gallipolis, writes us that the contracts have been let for the works for the hospital.

DOYLESTOWN, O.—This place is reported to have recently voted against issuing $20,000 in bonds for works.

WELLSVILLE, O.—Bids are asked until May 15 for furnishing and laying about 205 tons of 12-in. water pipe and six tons of 8-in. pipe and castings. D. A. Davidson, Supt. Water-Wks. and Cy. Clk.

MICHIGAN CITY, IND.—The Lake Michigan Water Co. has been incorporated with a capital stock of $25,000, by Jno. H. Baker, Philip Zorn, Walter Vail, Abram R. Colborn, all of Michigan City. It is proposed to build works of 10,000,000 gallons capacity. A 30-in. steel intake 1½ miles long will be built into Lake Michigan.

WINCHESTER, IND.—Bids are asked by the Winchester Water & Light Co. until May 3 for furnishing the materials and for constructing works and a light plant, as described in our advertising columns.

PLAINWELL, MICH.—It is reported that the council will build new works.

AUSTIN, MINN.—Bids are asked by the city clerk until April 24 for laying water pipes from the works to the springs.

ELLSWORTH, WIS.—A. Combacher writes us that nothing will be done in regard to building works until after May 1.

PIERSON, IA.—We are informed that this place has voted to issue $3,000 in bonds for works, and that the council is now securing information.

WHITEFISH BAY, WIS.—It is stated that a company is being organized to build works and an electric plant.

LONETREE, IA.—It is stated that this place will vote, April 27, on the question of issuing bonds for works.

POMEROY, IA.—This place voted April 10 to issue bonds for works.

MINNEAPOLIS, MINN.—Bids are asked until April 28 for furnishing post jackets for hydrants, and also for 30 tons of pig lead. L. A. Lydiard, Cy. Clk.; G. W. Sublette, Cy. Engr.

ZUMBRO FALLS, MINN.—T. R. Watson, Village Recdr. writes us that it has been decided to delay the construction of works. In the meantime the town will lay aside 50% of the income for works.

DEADWOOD, S. DAK.—This city, it is stated, will soon vote on the question of municipal works.

ELKPOINT, S. DAK.—The mayor writes us that this place recently voted to issue $12,000 in bonds for works. Bids are wanted for the purchase of the bonds.

SIOUX CITY, S. DAK.—This place voted, April 4, against issuing $130,000 in bonds for municipal works.

SYRACUSE, NEB.—This place is reported to have voted against issuing bonds for extending the works and for an electric plant.

MARYVILLE, MO.—Press reports state that Maryville Water Co.'s works were sold at public vendue, April 13. A New York party, who owns $132,000 of the bonds, ordered the works sold because of the failure of the company to pay the last six months' interest that is past due.

BAIRD, TEX.—Moore & Johnson have been awarded the contract for building the works at $9,318, this bid not including the reservoir. Arthur Yonge, Mayor.

WALLA WALLA, WASH.—The council has voted to purchase the works of the Walla Walla Water Co. for $250,000, according to reports.

GOLD HILL, ORE.—W. A. Carter, Town Recdr., writes us that bids for building works to cost $3,000 will be received about May 15.

MEDFORD, ORE.—H. L. Gilkey, Mayor, writes us that a contract for 2,500 ft. of 4-in. cast-iron pipe has been let to J. M. Arthur & Co., Portland, Ore. Bids are wanted until May 15 for 4,000 ft. of 12 to 8-in. sewer pipe.

OREGON CITY, ORE.—T. L. Charman, Secy., writes us that the commissioners have decided to try to find another source of water supply other than pumping from the Clackamas River, as it is found that the fall is not sufficient to bring a supply to the pumping station without going too far up the river. It will probably be several months before the commission will decide. Pop., 6,000.

HEALDSBURG, CAL.—The court has dissolved the injunction restraining this place from issuing $80,000 in bonds for works and an electric plant. It is stated that work will soon begin on the plants.

TUCSON, ARIZ.—Judge Wright is urging the city to issue $100,000 for works.

MARTINEZ, CAL.—Bids are asked by the Road Commissioners until May 1 for furnishing 5,280-ft. of ½-in., 18,480 ft. of 2-in., and 400 ft. of 4-in. water pipe.

RIALTO, CAL.—The Rialto Water Co. has been incorporated with a capital stock of $150,000, by S. H. Heneck, Riverside, Cal.; W. P. Martin, Rialto.

SAN LUIS OBISPO, CAL.—An election will be held April 20 to vote on the question of issuing $80,000 of 5% bonds for works. J. A. Goodrick, Cy. Clk.

WATSONVILLE, CAL.—The Watsonville Water & Light Co. has been awarded a five-year contract for furnishing a water supply. It is stated that no bonds for municipal works will be issued.

PHOENIX, ARIZ.—Acting Mayor Dyer, it is stated, will soon call another election to vote on the question of municipal works and a sewerage system.

PRESCOTT, ARIZ.—The council will build a new dam at a cost of $2,000, improve the reservoir, and build a roof over it.

HEBER, UTAH.—A. C. Hatch writes us that at present the outlook for works is unfavorable, but it is thought, however, that next month work may be started. The supply will be secured from springs. Population, 2,200.

OTTAWA, ONT.—Bids are asked until May 16 for furnishing and erecting the necessary water turbines and pumps for the water-works, as stated in our advertising columns. J. C. Rogers, Chn. Com.; John Galt, Cy. Engr.

PRESCOTT, ONT.—It is stated that Rane, Selby & Co., Kingston, Ont., have the contract for the water tank and 90-ft. tower, at about $10,000, and that Clark & Connolly, Toronto, have the contract for constructing the works at $90,000.

TORONTO, ONT.—Bids are asked until April 24 for laying and jointing such water pipe as may be required during the year. Jno. Shaw, Mayor.

SEWERAGE.

BROOKLINE, MASS.—The citizens have voted $30,000 for new sewers, $40,000 for extending the water mains.

DEDHAM, MASS.—The town has voted to indefinitely postpone the construction of a system.

NORTHAMPTON, MASS.—It is proposed to construct a 4-ft. brick sewer to drain Pleasant St. Brook of the sewage emptied into it; estimated cost, $3,500.

REVERE, MASS.—Bids are asked until 8 p. m., April 20, for furnishing sewer pipe. Whitman & Howard, Engrs., 85 Devonshire St., Boston. G. R. Sackett, Chn.

WESTBORO, MASS.—It is stated that Engineers Van Valkenburgh and Hyde have nearly completed their survey of the Westboro sewage beds and will make a report to the state board of health May 1. Their report will recommend 3,000 ft. of 15-in. iron pipe to replace the terra cotta pipe now in use at the foot of Summer St. The expense of the change will be $9,000. The sewage disposal beds will also have to be remodeled at a cost of $11,000.

NEW HAVEN, CONN.—Bids are asked until April 24 for constructing sewers in several streets. C. W. Kelly, Cy. Engr.

NEW LONDON, CONN.—A local paper states that the contract for constructing sewers in Trumbull, Shaw and Howard Sts. and Willetts Ave., was let April 6 to Chas. T. Hookway, Syracuse, N. Y., at $3,480, and that for constructing the submerged sewer to Geo. A. Rogers, Plattsburg, N. Y., at $3,375. Bids ranged to $8,378 for the pipe sewer and to $8,585 for the submerged sewer.

OLEAN, N. Y.—Bids are asked until May 2 for extending certain sewers, as stated in our advertising columns. E. E. Allen, Supt. of Sts.

ROCHESTER, N. Y.—The city engineer will make surveys for a sewer to carry off the sewage from the East Side tank sewer, now emptying into the river below Seneca Park.

JERSEY CITY, N. J.—Bids are asked until April 25 for constructing 900 ft. of 24-in. brick sewer in 16th St., and 550 ft. of 18-in. pipe sewer in Baldwin Ave., etc. G. T. Bouton, Clk. Bd. Street and Water Comrs.

GETTYSBURG, PA.—The council, it is stated, has granted a franchise to a company to build and operate a system. Dr. J. W. C. O'Neal and John M. Warren are interested.

PITTSBURG, PA.—It is proposed to build pipe sewers in a number of streets. H. T. Ford, Mayor.

WILLIAMSPORT, PA.—Bids are asked until May 1 for 220 ft. of 15-in. pipe sewer in West St., and 675 ft. of 4-ft. brick sewer for the Grafius River storm sewer. G. D. Snyder, Cy. Engr.; Theo. Cornman, Cy. Clk.

FAYETTEVILLE, N. C.—This place has voted to issue $6,000 in bonds for a system.

VALDOSTA, GA.—An election will probably be held April 20 to vote on the question of issuing $35,000 in bonds for a system.

WEST PALM BEACH, FLA.—O. W. Weybrecht is preparing plans for a new system, according to reports.

LEXINGTON, KY.—The question of issuing $50,000 in bonds for a branch to the Davis Bottom sewer and a sewer in the north side is being considered. P. P. O'Neil, Cy. Engr.

BELLEFONTAINE, O.—This place recently voted not to issue $30,000 in bonds for sewers and $10,000 for the fire department.

ELYRIA, O.—Bids are asked until May 8 for furnishing the materials and for constructing the West St. sewer. W. H. Park, Clk.

YOUNGSTOWN, O.—The council voted April 10 to build storm water sewers, etc., in districts Nos. 3 and 4. A. L. Rowland, Pres. Council; F. C. Brown, Clk.

LORAIN, O.—Riggs & Sherman, The Nasby, Toledo, O., are preparing plans for the sewer districts and are also preparing plans for a storm water sewer for the Johnson Steel Co. L. A. Fauver, Cy. Engr.

SPRINGFIELD, O.—The council has voted to construct main sewers and house connections in Woodlawn and Ferncliff Aves. Philip Huonker, Cy. Engr.

AUBURN, IND.—Bids are asked until May 17 for furnishing the materials and for constructing a system, as described in our advertising columns. J. J. Van Auken, Engr.

ELKHART, IND.—Bids are asked until April 26 for constructing 8,400 ft. of 30 to 12-in. pipe sewers in a number of streets. D. F. Cordrey, Cy. Engr.; Kit McKean, Clk.

HAMMOND, IND.—Bids are asked until May 2 for constructing 3,620 ft. of 4-ft. brick sewers. Bond, $10,000. P. J. Lyons, Cy. Engr.

DELRAY, MICH.—The council has been asked to build a sewer in the district between Solway span and Dearborn Ave. Councilman Miller, Chn. Com.

MARSHALL, MICH.—This place has voted to issue $25,000 in bonds for main sewers. Riggs & Sherman, Engrs., Toledo, O.; Miles Townsend, Mayor.

OWOSSO, MICH.—This place has voted to issue $15,000 in bonds for main sewers. Riggs & Sherman, Engrs., Toledo, O.

CHICAGO, ILL.—Bids are asked until May 10 for constructing sewers at the U. S. marine hospital, Chicago. Jas. K. Taylor, Supervising Arch., Washington, D. C.

QUINCY, ILL.—The board of local improvements has readopted its resolution authorizing the construction of the Cedar St. sewer.

HUDSON, WIS.—City Clerk Herrick writes us that this place did not vote April 17 to issue bonds for a system.

SIOUX CITY, IA.—Plans for new storm sewers will probably soon be prepared.

FARGO, N. DAK.—Bids will probably be wanted in about a month for constructing sewers to cost about $25,000, according to reports. S. F. Crabbe, Cy. Engr.

GUTHRIE, OKLA.—It is stated that this city voted against building a system.

CARROLLTON, MO.—Bids are asked by the city clerk until April 25 for the purchase of $50,000 of sewer and paving bonds. Hiram Phillips, Engr., Oriel Bldg., St. Louis.

MACON, MO.—Lynch & Anderson, Moberly, Mo., are reported to have been awarded the contract for building the system at $21,762. Jno. Kohl submitted the next lowest bid.

PUEBLO, COLO.—E. W. Hathaway, Cy. Engr., writes us that the city is building a main in Bessemer district by day labor and letting contracts for the laterals.

SAN LUIS OBISPO, CAL.—An election will be held, April 20, to vote on the question of issuing $36,000 in bonds for a system. An election will also be held by the supervisors, May 2, to vote on the question of establishing a sanitary district. J. A. Goodrich, Cy. Clk.

OREGON CITY, ORE.—C. D. Latourette, Mayor, writes us that it is proposed to construct a system for the resident part of the city. Jno. Bradley, Supt. Sts.

SEATTLE, WASH.—Councilman Hill has introduced a resolution directing the city engineer to prepare an estimate for connecting sewers with the south sewer tunnel. This tunnel is said to have cost about $120,000.

SANTA ANA, CAL.—About $12,000 will be used for extending the sewers.

SAN FRANCISCO, CAL.—The supervisors have passed resolutions to construct pipe and brick sewers in a number of streets. M. F. Fragely, Supt. Sts.

TUCSON, ARIZ.—Judge Wright is urging the city to build sewers to cost $50,000.

SAN CARLOS, ARIZ.—Bids are asked until May 8 for furnishing the materials and for constructing sewerage, water and irrigation systems at the San Carlos Agency. W. A. Jones, Comr. Indian Affairs, Washington, D. C.

MONTREAL, QUE.—The road committee of the council has decided to ask for bids for constructing sewers and drains in St. Denis Ward, to cost $75,000.

GALT, ONT.—The council will soon submit the question of issuing $75,000 in bonds for a system to a vote of the people. There will be over nine miles of sewers. City Engineer McPherson may be addressed.

OTTAWA, ONT.—Newton J. Ker, Asst. Cy. Engr., informs us that the following bids were received, April 14, for constructing section 2 of the main drainage system. John Galt, Cy. Engr.

*O'Leary & Robillard, Ottawa	$226,119
Bourgue & Poulin, Ottawa	245,650
Geo. Goodwin, Ottawa	247,000
Vian & La Chance, Hull, Que	266,907
W. Davis & Sons, Ottawa	320,000
Engineering Contract Co., New York	329,850
Wm. Stewart, Ottawa	397,777

*Awarded contract. The work includes 7,731 lin. ft. of 6-ft. circular brick sewer; 4,440 ft. of 7-ft. sewer, and 1,900 ft. of 5-ft. circular steel pipe for outlets and crossing river. Average depth of cut, 20 ft.; total excavation 92,000 cu. yds., and of this 56,500 cu. yds. is estimated to be rock. Estimated cost of entire system, $425,000. Section 1 was let to Jas. Bourgue at $127,223, is now under construction. Section 4, the only remaining section, will probably be let in May; cost, about $75,000.

GARBAGE DISPOSAL—STREET CLEANING

CHICOPEE, MASS.—Bids are asked until May 1 for collecting the garbage of the city for one year, according to reports. R. D. Dewitt, Secy. Bd. of Health.

GLENS FALLS, N. Y.—Geo. P. Slade, Cy. Engr., writes us that the village proposes to purchase a street sweeper. D. J. Finch, St. Com.

STREETS AND ROADS

LEICESTER, MASS.—Bids are asked by the selectmen until 2:30 p. m., April 22, for regrading and surfacing 1,000 lin. ft. of White St., according to reports.

MALDEN, MASS.—Bids are asked by the street commissioners until 7:20 p. m., April 20, for furnishing paving bricks for the year 1899.

GLENS FALLS, N. Y.—Bids are asked until May 15 for furnishing the material and for constructing about 18,000 sq. yds. of brick paving on concrete, as stated in our advertising columns. W. M. Cameron, Village Clk.

ITHACA, N. Y.—Bids are asked until April 24 for furnishing from 10,000 to 15,000 sq. yds. of repressed vitrified paving brick. Bids are also asked (no date) for furnishing about 25,000 sq. yds. of paving of both brick and stone; also for about 10,000 lin. ft. of Medina stone curbing, as stated in our advertising columns. Chester C. Platt, Clk. of Paving Comn.

NEW BERLIN, N. Y.—A petition is being circulated by the street commissioner to have the board of trustees purchase a stone crusher.

NEW YORK, N. Y.—Bids are asked by the department of highways, 150 Nassau St., until April 28, for furnishing broken stone and screenings of trap rock, gravel, sand, cobblestones and granite paving blocks.

NIAGARA FALLS, N. Y.—The council has passed a resolution to pave Pine St. with asphalt, at an estimated cost of $49,857.

JERSEY CITY, N. J.—Bids are asked until April 25 for about 2,469 sq. yds. of Belgian block paving, grading, curbing, flagging, etc., on 12th St. Geo. T. Bouton, Clk.

NEWARK, N. J.—Bids are asked by the street and water commissioners until April 27 for about 46,600 sq. yds. of sheet asphalt and 5,200 sq. yds. of granite block paving, curbing, grading, etc., on seven streets.

PATERSON, N. J.—A contract has been awarded to John R. Lee for brick paving to cost about $711,000.

BETHLEHEM, PA.—The county grand jury on April 14 recommended the proposed improvement of the road between Bethlehem and Nazareth, a distance of 7½ miles, at an estimated cost of $37,500.

HARRISBURG, PA.—Bids are asked until April 22 for furnishing broken stone, castings, sand, brick and cement. W. H. Lynch, Highway Comr.——The question of purchasing a portable asphalt plant or awarding a contract for the repair of Market St. is being considered. M. B. Cowden, Cy. Engr.; Jno. F. Kerper, Councilman.

PHILADELPHIA, PA.—The Guarantee Paving Co. has submitted the lowest bid, at $11,546, for improving McPherson Square.

WILLIAMSPORT, PA.—Bids are asked until May 1 for about 2,305 sq. yds. of brick paving on concrete foundation, estimated cost, $3,700, as stated in our advertising columns. Theo. Cornman, Cy. Clk.

ANNAPOLIS, MD.—Bids are asked by the county commissioners until April 22 for repairing roads.

BALTIMORE, MD.—The council has voted to pave Sycamore St. with brick, and has passed an ordinance to pave on St. Paul St. with sheet asphalt. An ordinance has also been introduced to pave St. Paul St., between North Ave. and 25th St., with brick, at a cost of $22,000.

ATLANTA, GA.—The council has passed an ordinance to widen and repave Whitehall St. J. J. Maddox, Councilman.

NEW ORLEANS, LA.—Bids are asked until April 24 for asphalt paving on portions of four streets and brick paving on four streets. W. S. Douglass, Comptroller.

GREENEVILLE, TENN.—About 10 miles of each of the pike roads leading from Greeneville will be improved if the proposed appropriation of $100,000 is carried, according to reports.

KINGSTON, TENN.—The county court has voted to let a contract for five miles of pike road from Harriman toward Clack's Gap. The court also passed a resolution to submit to a vote the question of issuing bonds to the amount of $200,000 for pike roads.

MAYFIELD, KY.—The mayor informs us that there will be about one to three miles of brick or stone pavements or sidewalks laid this year, at an early date. Address J. N. Cruchfield, Cy. Engr.

NEWPORT, KY.—Bids are asked until April 26 for repaving on Sixth St. with brick, as stated in our advertising columns. W. L. Glazier, Cy. Engr.

CINCINNATI, O.—Bids are asked by the board of city affairs until May 3 for keeping certain asphalt pavements in repair for five years.

DEFIANCE, O.—Bids are asked until April 24 for macadamizing on Ottawa Ave., according to reports. J. J. Malley, Cy. Clk.

MANSFIELD, O.—Bids are asked until May 6 for improving Bartley Ave. F. M. Remy, Cy. Clk.

STEUBENVILLE, O.—Bids are asked by the county auditor until May 9 for grading and improving about 3,500 lin. ft. of road. Sam. Huston, Engr.

WARREN, O.—An ordinance has been passed to grade, curb and repave on High St. Albert E. Andrews, Cy. Clk.

WOOSTER, O.—J. L. Eberhardt, Cy. Engr., informs us that it is proposed to pave 2,400 sq. yds. with brick; estimated cost, $3,500.

YOUNGSTOWN, O.—It has been resolved to pave Spring St., between Wick Ave. and Holmes St. F. C. Brown, Cy. Clk.

BEDFORD, IND.—A contract has been awarded to J. E. Voorhees & Co., Terre Haute, for several blocks of brick streets.——Woods & Clark have been awarded a contract for three county gravel roads.

LAFAYETTE, IND.—Bids are asked until April 24 for improving portions of 12 streets, and until May 8 for two streets. Jas. K. Risk, Cy. Clk.——Petitions have been presented to the council for asphalt paving on Columbia St., South 6th, North 6th and South Sts., representing about 13,924 lin. ft.

MICHIGAN CITY, IND.—Bids are asked until April 24 for asphalt and brick paving, according to reports. E. J. Heise, Cy. Clk.

MIDDLETOWN, IND.—Bids are asked until May 1 for grading and cement paving of certain sidewalks. W. L. McCampbell, Clk. Bd. of Trustees.

COLDWATER, MICH.—This place has ordered 10,000 sq. yds. of paving, after plans by Riggs & Sherman, Toledo, O.

YPSILANTI, MICH.—The council has passed a resolution to pave three blocks of Congress St. with brick.

CHAMPLAIN, ILL.—The council has passed an ordinance to pave West University Ave., cost, $34,307.

MATTOON, ILL.—Bids are asked by A. C. Loomis, Cy. Engr., until April 25 for furnishing the material and for constructing 7,500 lin. ft. of 5-ft. cement sidewalk and 6,000 lin. ft. of 6-ft. brick sidewalk.

MARINETTE, WIS.—A contract has been awarded to Jno. Martin, Oshkosh, at $4,356, for paving Riverside Ave.

MINNEAPOLIS, MINN.—Bids are asked until April 21 for 6,570 sq. yds. of sandstone paving. L. A. Lydiard, Cy. Clk.

HOUSTON, TEX.—Bids are asked until April 24 for asphalt, brick, macadam and gravel paving on several streets, according to reports. I. A. Miller, Cy. Engr.

LONDON, ONT.—The committee has recommended that the council ask bids for paving the Market Square with brick or asphalt.

NANAIMO, B. C.—Bids are asked until May 15 for a 12 or 15-ton steam road roller. S. Gough, Cy. Clk.

MANUFACTURING PLANTS.

MADISON, ME.—Greenleaf & Doring, Lewiston, Me., are reported to have been awarded the entire contract for the enlargement of the Manufacturing Investment Co.'s pulp mill in this town; estimated cost, $350,000. The contract calls for the erection of a one-story building, 94 x 78 ft., to be used as a grinder room and for the manufacture of the ground wood pulp; a new room, 64 x 24 ft., for the large pumps which supply the water for the plant; a one-story generator room, 76 x 64 ft.; a one-story sulphur burning house, 100 x 54 ft.; and a finishing room, 165 x 70 ft. These buildings are all to be of brick and will have steel frames furnished by the Berlin Iron Bridge Co., East Berlin, Conn.

MEDWAY, ME.—The Shiffler Bridge Co., Pittsburg, is stated to have received the contract for furnishing 2,500 tons of structural work for the new plant of the Great Northern Paper Co., to be erected at Millinocket, Medway P. O. Westinghouse, Church, Kerr & Co., Pittsburg, have the contract for the equipment of the boiler rooms of the plant with Roney stokers.

WINSLOW, ME.—It is reported that H. Purinton & Co. have secured the contract for erecting additions to the paper mill of the Hollingsworth & Whitney Co., to cost about $50,000.

EASTON, PA.—R. D. Kinney, Mechanical and Structural Engineer, 353 Bourse Bldg., Philadelphia, Pa., has about completed plans and specifications for a new Portland cement mill, to be erected near Easton. The mill is designed to have a capacity of 2,000 barrels of finished cement a day, and will be up-to-date in every respect.

PHILADELPHIA, PA.—A fire at Tacony, a suburb of this city, April 17, destroyed the blue works of Whitaker & Delaney; reported loss, $100,000.

NORFOLK, VA.—L. E. Holden, 8 East 42d St., New York, is reported to have prepared plans for a large mill to be erected here for the Norfolk Silk Co.

CHESTER, W. VA.—Reports state that the Fort Pitt Bridge Co., Pittsburg, has received a contract for building the structural work on the new Chester rolling mill, 300 x 130 ft., to be erected at Chester.

GREENSBORO, N. C.—We are informed that C. R. Willard, Spartanburg, S. C., has received the contract for erecting two brick and stone factory buildings, to cost $50,000, for B. Frank and Dr. Geo. A. Mebane, manufacturers of cotton goods. Bids will be received later on for the equipment, including water-wheels, electric plant and boilers for heating. Ladshaw & Ladshaw, Archs., Spartanburg, S. C.

GRAND RAPIDS, MICH.—Hauser, Hayden & Owen, Grand Rapids, are reported to have received the contract for erecting a bottling plant for the Grand Rapids Brewing Co., at East Bridge and Ottawa Sts., to cost about $51,800. Louis Lehle, Arch.

OSHKOSH, WIS.—A fire in this city, April 12, damaged the plants of the Choate-Hollister Furniture Co. and the Star Foundry Machine Works. Reported loss on the former, about $100,000.

PORTLAND, ORE.—It is reported that F. W. Isherwood, Mgr., will erect a 4-story brick stove factory building for the Bridge & Beach Mfg. Co., St. Louis, and the Cribben Sexton Co., Chicago; estimated cost, $150,000.

GAS PLANTS.

WASHINGTON, D. C.—Bids are asked by the district commissioners until May 13 for furnishing 2,000 street lanterns and for lighting with naphtha lamps the public streets, avenues, etc., in the District of Columbia for the year ending June 30, 1900, as stated in our advertising columns.

FLORENCE, ALA.—Bids are asked by the city clerk until May 2 for furnishing 100 gas lights with and without Welsbach street burners, for five or ten years.

CADIZ, O.—The Tuscarson Oil & Gas Co. has decided to sink a number of wells. The company controls about 4,000 acres of oil lands in this county, according to reports.

CLEVELAND, O.—Bids are asked until May 10 for furnishing and maintaining about 2,200 70-c. p. incandescent vapor lamps, for one year. Geo. R. Warden, Dir.

MISCELLANEOUS CONTRACTS.

FIRE ALARM SYSTEM.—Ballston Spa, N. Y.—It is proposed to install an electric fire alarm system; population, about 4,000.

HYDRAULIC CEMENT.—Washington, D. C.—Bids are asked by the district commissioners until May 6 for furnishing 40,000 bbls. of natural hydraulic cements.

DREDGING.—Mobile Bay, Ala.—Bids are asked until May 12 for dredging in Mobile Bay, as stated in our advertising columns. Maj. Wm. T. Rossell, U. S. Engr.

SAND.—Fisher's Island, N. Y.—Bids are asked until May 17 for furnishing sand at Fisher's Island, as stated in our advertising columns. Maj. S. S. Leach, U. S. Engr., New London, Conn.

DREDGING.—Stamford Harbor, Conn.—Bids are asked until May 18 for dredging in Stamford Harbor, as stated in our advertising columns. Maj. S. S. Leach, U. S. Engr., New London.

DREDGING.—Grand Rapids, Mich.—Bids are asked until 3 p. m., April 21, for dredging the harbors on the east shore of Lake Michigan. Capt. Chester Harding, U. S. Engr., 54 Park St.

PIER WORK.—St. Joseph, Mich.—Bids are asked until May 19 for repairing the government pier, as stated in our advertising columns. Capt. Chas. Harding, U. S. Engr., 37 Park St., Grand Rapids.

DREDGING.—Huntington Harbor, N. Y.—Bids are asked until May 15 for dredging in Huntington Harbor, N. Y., as stated in our advertising columns. Maj. H. M. Adams, U. S. Engr., Army Bldg., New York.

DREDGING.—Wisconsin.—Bids are asked until May 17 for dredging in the Menominee River, Oconto, Green Bay, etc., as stated in our advertising columns. Capt. J. G. Warren, U. S. Engr., Milwaukee, Wis.

TUNNEL.—Harrisburg, Pa.—The Pennsylvania R. R. Co. has awarded a contract to Drake & Stratton Co., Conestoga Bldg., Pittsburg, at about $200,000, for constructing a new tunnel at Spruce Creek.

DREDGING, ETC.—Portchester Harbor, N. Y.—Bids are asked until May 17 for dredging and rock excavation in the channel of Portchester Harbor, as stated in our advertising columns. Maj. H. M. Adams, U. S. Engr.

WEIRS, PIERS, ETC.—Ohio River.—The Evansville Contract Co., Evansville, Ind., submitted the lowest bid, at $174,980, on April 12, for building the weirs, piers, abutments and a portion of the pass and dam No. 6 in the Ohio River, as advertised in Engineering News. Maj. W. H. Bixby, U. S. Engr., Cincinnati.

DREDGING PLANT.—Buffalo, N. Y.—Bids are asked until May 20 for the hire of a dredging plant for excavating in the Niagara River, as stated in our advertising columns. Maj. T. W. Symons, U. S. Engr., Buffalo.

DUMPING CARTS AND WINDMILL.—New York, N. Y.—Bids are asked by the department of correction, 148 East 20th St., New York, until May 2, for furnishing four steel dumping carts and a windmill for use on Riker's Island.

TELEPHONES.—Boston, Mass.—It was reported April 16 that the Massachusetts Telephone & Telegraph Co. has secured about 2,000 subscribers and work is to commence within 60 days. Contracts for materials have not yet been let.

DREDGES.—St. Louis, Mo.—Bids are asked until May 31 for furnishing two self-propelling hydraulic dredges for the use of the Mississippi River Commission, as stated in our advertising columns. Capt. M. M. Patrick, U. S. Engr., Secy., Fullerton Bldg.

REMOVING ROCK, ETC.—Mystic River, Conn.—Bids are asked until May 18 for removing rock from the Mystic River, and for dredging in Thames and Housatonic Rivers, as stated in our advertising columns. Maj. S. S. Leach, U. S. Engr., New London, Conn.

DREDGING AND JETTY.—Sandusky Harbor, O.—Bids are asked until May 15 for dredging channels and for constructing jetty and bar protection of brush and stone at Sandusky Harbor, as stated in our advertising columns. Col. J. A. Smith, U. S. Engr., Cleveland.

CONTRACT PRICES.

SEWERS.—Concord, Mass.—We are informed that the following bids were received April 10 for completing the sewerage system in this city, as advertised in Engineering News; Leonard Metcalf, Engr., 89 State St., Boston:

Bids Received at Concord, Mass., April 10, 1899, for Completing Sewerage System.

Quantities.		T. W. Kinser & Sons.	Michael Russo & Co.	Samuel W. Frescoln.	Bruno & Salomone.	Lucian A. Taylor.	Frank L. Allen.	Charles C. Craib.	C. E. Trumb'll & Co.
Earth excavation.... 0 to 8 ft.	16,500 cu. yds.	$0.43	$0.42	$0.80	$0.65	$0.75	$0.85	$1.25	$1.50
8 " 14 "	6,400 " "	.59	.65	1.10	1.00	1.25	1.50	1.50	1.50
14 " 20 "	1,570 " "	.85	2.25	2.00	1.75	1.80	3.00	3.00	3.00
20 " 26 "	60 " "	1.25	2.00	3.00	2.25	2.40	5.00	3.50	3.00
Refill below grade	50 " "	1.20	.80	.50	1.00	.80	2.00	1.00	1.00
Ledge or bowlders	50 " "	1.50	6.00	1.00	4.00	5.00	5.00	1.00	2.00
Laying sewer pipe	18,900 lin. ft..	.10	.25	.10	.18	.20	.40	.25	.25
C.-i. pipe for river cross'g	421 " "	6.00	4.00	8.00	9.75	6.00	23.00	12.00	12.00
Portland concrete	100 cu. yds.	3.50	4.00	3.00	6.00	4.50	4.50	5.00	5.00
Brick work	385 " "	10.00	10.00	9.00	12.00	10.50	10.50	11.00	11.00
Macadam	70 " "	2.00	1.75	1.50	2.00	3.00	2.50	6.00	6.00
Gravel fill	650 " "	.35	.50	.50	.40	.60	.60	.50	.50
Force main	4,700 lin. ft..	.40	.70	.20	.30	.38	.45	.75	.75
Total		$23,279	$29,515	$34,028	$34,794	$36,820	$53,401	$54,027	$58,172

PUMPING ENGINES.—Philadelphia, Pa.—The following bids were received by the board of public works April 11, for furnishing two 5,000,000 gallon pumping engines, for the Roxborough Station:

Bidder.	Engines. One.	Engines. Two.
I. P. Morris Co., Philadelphia.....	$36,950	$73,900
Lake Erie Engine Works, Buffalo.....	34,675	69,350
Barr Pumping Engine Co., Phila....	25,500	51,000
	29,000	58,000
	37,500*	75,000
Henry R. Worthington, New York.....	32,000	60,000
Robt. Wetherill & Co., Chester, Pa.....	32,050	64,100
Holly Mfg. Co., Lockport, N. Y..... A	41,900	83,800
B	29,950	59,900

*Department specifications: Vertical cross compound condensing; vertical triple expansion.

Time for Completion: The Morris Co., 1st pump, 7, and 2d, 9 months; 1st (2) 145,000 and (3) 145,000 pumps, 105 days and (4) additional in 140 days. The Lake Erie Works, 1st in 180, and 2d in 240 days; the Barr Co., 1st in 240 and 2d in 270 days; H. R. Worthington, 1st in 8 and 2d in 10 months; Wetherill & Co., 1st in 208, and 2d in 260 working days, and 1st 3,000,000 pump in 160 and 2d in 212 working days; the Hollis Co., 1st (A or B) 300, and 2d (A or B) in 360 days.

Robert Wetherill & Co. also bid $20,200 for one and $40,400 for two 3,000,000 gallon engines; the I. P. Morris Co. bid $10,000 for five to seven engines of 2,145,000 gallons capacity.

ASPHALT PAVING.—Paterson, N. J.—Thos. McLean, Cy. St. Comr., writes us that the following bids were received April 3 for asphalt paving, as advertised in Engineering News:

Bids Received at Paterson, N.J., April 3, 1899, for Asphalt Paving.

Quantities.		Barber Asphalt Paving Co., New York.	Atlantic Alcatraz Asp. Co., Newark.	George McDonald, Paterson.	New Jersey Asphalt Co., Newark.	Paterson Construction Co., Paterson.	Marley & Forbes, Paterson.
Asphalt	16,200 sq. yds.	$2.24	$2.27	$2.97	$2.14	$2.15	$2.15
New 20-in. curb	7,100 lin. ft..	.60	.45	.80	.60	.60	.60
Resetting Old 20-in. curb..	330 " "	.10	.10	.29	.25	.10	.10
New 16-in. curb	40 " "	.45	.40	.75	.50	.45	.45
Resetting old 16-in. curb..	40 " "	.10	.10	.29	.25	.10	.10
Laying new crosswalks....	600 " "	.60	.50	.60	.60	.40	.01
Relaying old crosswalks ..	600 " "	.15	.10	.17	.10	.10	.01
Manhole frames and covers	20 each...	10.00	10.00	10.00	10.00	10.00	10.00
Catchbasins and conns.....	8 " ...	38.00	100.00	12.00	50.00	38.00	38.00
Traps in old basins	7 " ...	13.00	10.00	5.00	15.00	13.00	40.00
Chang'g rcvg to catchbasins	6 " ...	40.00	25.00	7.00	50.00	4.00	13.00
New headers for curb	700 " ...	.45	.15	.70	.50	.45	.45
Redress old curb for headrs	40 " ...	.10	.10	.50	.10	.10	.10
Total		$42,207	$41,711	$41,335	$40,819	$40,383	$40,378

BRICK PAVING.—Scranton, Pa.—Jos. P. Phillips, Cy. Engr., informs us that the following bids were received April 13 for 40,000 yds. of brick paving in Providence Road and North Main Ave.; guarantee 10 years:

Items.	*Geo. McDonald, Newark, N. J.	Girard Const'n Co., Phila., Pa.	M. H. Dale, Scranton Pa.
Brick pavement on 6-in. conc..	$1.79	$1.97	$1.98
6x15-in. straight curb.22,433 ft.	.98	.71	.72
With drain tile, lin. ft.....	...	.89	.90
Circular curb ..... 1,109 "	1.25	1.19	1.20
With drain tile, lin. ft.....	...	1.35	1.38
Resetting old curb, lin. ft.....	.29	.21	.24
Laying 12-in. pipe, lin. ft.....	...	.25	.26
Receiving basins, each	...	25.00	25.00

*Rejected; did not comply with ordinance. Note.—The straight curb is to be on a bed of 6 ins. of concrete.

PUBLIC LIGHTING.—Brockton, Mass.—The following bids have been received by the committee for public street lighting: Edison Electric Co., arc lights for 1,200-c. p., $90 each light a year; for an additional 25 up to 300, 5% discount; for incandescent lights of 15 c. p., $13 each per annum; of 25-c. p., $17.50 per annum. Welsbach Street Lighting Co., gas and naphtha lights of 60 c. p., 100 lights for three years, $31.50 each per annum; 200 lights for three years, $30.50 each per annum; 300 lights for three years, $30; on the moonlight or 1 o'clock a. m. schedule, a discount of $5 on each lamp per year. The Welsbach company in its contract agrees to furnish all connections, material, post, light and extinguish lamps and to make all repairs required. Globe Gaslight Co., of Boston, to furnish the improved Globe lanterns, equipped with the improved Globe burner and mantle, iron posts, mantels, illuminating material, and men to light, extinguish, keep clean and repair the lanterns at the following price: Not less than 100 of its improved Globe lamps of 60 c. p. each, $29.50 each light a year; for the moonlight, or 1 o'clock a. m. schedule, $22.50 each light per annum.

PAVING BLOCKS, ETC.—Boston, Mass.—The following bids were received by the superintendent of streets March 31, 1899, for furnishing granite flagging from April 1, 1899, to Feb. 1, 1900: John J. Cuddihy, 26 and 29 cts.; S. & R. Lombard, 27 and 29 cts.; Cape Ann Granite Co., 33 and 37½ cts. a sq. ft. delivered on wharves or in city department yards, respectively. For delivery on wharves, Rockport Granite Co., 32 cts. 500,000 large granite paving blocks, Rockport Granite Co., $54.90; Cape Ann Granite Co., $56.60; Pigeon Cove Co., $55.70. 800,000 gutter blocks, Cape Ann Granite Co., $47.40; Rockport Granite Co., $47.30; Pigeon Hill Granite Co., $49.30; S. & R. Lombard, $47 a 1,000 delivered on wharves. A bid of $45 a thousand was also submitted by S. & R. Lombard for delivery on the cars of the Boston & Maine R. R. at Boston.

ELECTRIC LIGHTING.—Colorado Springs, N. Y.—The council has let a contract to the El Paso Electric Light Co. as follows for public lighting: 135 or more street lights, $98 a year for five years; $108 a year for three years.

GRANITE BLOCKS.—Newark, N. J.—The contract for paving Warren St., from Newark to Bruce Sts., with granite blocks has been let to Jno. F. Shanley, at $2.26 a sq. yd. The following are the other bids: Antonio Rizzolo, $2.50; The Newark Paving Co., $2.69; O'Connor & McManus, $2.75.

INDUSTRIAL NOTES.

F. M. WATKINS, Cincinnati, has removed his office and warerooms to 309 West Fourth St.

THE BARR PUMPING ENGINE CO., Philadelphia, through its Eastern representative, Mr. W. H. Bodfish, 8 Oliver St., Boston, has received the contract for high-duty pumping machinery for the town of Attleboro, Mass.

THE BUFFALO FORGE CO., Buffalo, N. Y., has recently equipped the foundry and blacksmith shop of the National Iron Co., at Reed City, Mich., with blowers. The company reports that it had previously used four other kinds, but without satisfactory results.

MR. GEORGE M. PIERCE, 315 American Trust Bldg., Cleveland, Ohio, shipped, April 11, a carload of 80 catch-basin covers to the city of Hartford, Conn. Mr. Pierce informs our representative that the Sewer Department of St. Louis, Mo., has adopted the Pierce sewer inlet.

THE CONTINENTAL FILTER CO., New York, has closed a contract with the owners of the Louisiana, Mo., water-works for an extension of their filtration plant. This town is located on the Mississippi River, and the water at times is very turbid, but we are informed that the contract covers a high standard of purity.

THE CITY-WASTES DISPOSAL CO., 874 Broadway, New York, has been organized from the staff of the late Col. Geo. E. Waring, Jr., and will make a specialty of sewage disposal, garbage and refuse disposal, and street cleaning. The officers are: Pres., F. M. Gibson; Vice-Pres. and Mgr., G. Everett Hill; Secy. and Treas., M. E. Stone; Engr., Wm. L. Church.

THE EVANSVILLE CONTRACT CO., Evansville, Ind., has been organized with a capital stock of $100,000 by the consolidation of the contracting firms of Eichel & Arnold and Eigenmann & Hollerbach. The new company will complete the work now being carried on by the old companies, reputed as amounting to over $1,000,000 worth of contracts for work in the Ohio River.

THE WEBER GAS & GASOLINE ENGINE CO., Kansas City, Mo., reports the following recent shipments: One carload, eight engines, to Southern California for irrigation; one 10-HP. hoist for Sonora, Mex.; one 25-HP. hoist for Silverton, Colo.; one 10-HP. engine for Havana, Cuba; one crude oil engine for Porterville, Cal. The company has just finished the installation of a plant, entirely furnished by it, for pumping the sewage for the city of El Paso, Tex., during flood time of the Rio Grande River. This consists of two direct-connected 10-HP. Weber gasoline engines, and two 8-in. Morris centrifugal pumps.

BRIDGE.

BINGHAMTON, N. Y.

Notice is hereby given that the city of Binghamton will receive up to May 9th, 1899, at 6 o'clock p. m., proposals for the erection complete of the substructure and superstructure of a bridge across the Susquehanna river at foot of Tompkins street in the city of Binghamton, N. Y., according to plans and specifications therefor prepared by the City Engineer of said city, and filed with the City Clerk. The entire work will be awarded together to one bidder, but in making proposal therefor bidders must conform to the form of proposal which will be furnished by the city on application to the City Clerk. The bidder to whom the work shall be awarded will be required to enter into contract with the city therefor and to give at the time of entering into such contract a bond in the sum of $10,000.00, conditioned for the faithful performance of the contract in all its parts, with either two sureties, residents of the State of New York, or a surety company duly authorized to execute such bonds within the State of New York, said surety or sureties to be approved by the Mayor of said city. Each proposal must be sealed, marked "Proposal for construction of Bridge for City of Binghamton," and be addressed to "S. D. Kane, City Clerk." With each proposal must be a certified check or New York draft for $1,000.00, payable to the order of the City Clerk, which check or draft shall be held as a guaranty that the party to whom the work is awarded will enter contract therefor and give the bond above required. The City reserves the right to reject any or all bids.

S. D. KANE,
City Clerk.

Dated April 18, 1899. 16-2t

WATER-WORKS AND ELECTRIC LIGHT PLANT.

WINCHESTER, IND.

Sealed bids for furnishing work and material for the construction of a water-works and arc lighting system for Winchester, Indiana, will be received by the undersigned until 8 o'clock p. m., May 3d, 1899.

Bids will be received on any or all of the following items:

Power Station;
Stand Tower;
Two 125-HP. Steam Boilers;
One 60-light 2,000 c. p. arc machine and 40 arc lamps;
Two power or deep well pumps (capacity 350 gals. per minute);
Engines for operating pumps and dynamo;
Eight miles of pipe and specials, 4 to 12-in.;
63 Hydrants and 40 Valves;
Pipe laying;
Pole line and arc circuit;
One or more wells.

Certified check required with all proposals for ten per cent. of the amount of bid.

Instruction to bidders and blank form of proposal can be obtained and plans and specifications can be seen at the office of Daniel W. Mead, Consulting Engineer, 605 First National Bank Building, Chicago, or at the office of the undersigned at Winchester, Indiana.

WINCHESTER WATER & LIGHT CO.
16-2t A. L. NICHOLS, Secy.

WATER-WORKS.

GALLATIN, TENN., April 12, 1899.

The Water-Works Committee of Gallatin, Tenn., will receive sealed proposals, till 8 o'clock p. m., May 15th, 1899, embracing either or all the following items, for constructing a System of Water-Works:

A. Steel Tower and Tank.
B. Two 60-in. x 16 ft. boilers and heater.
C. 943 tons cast-iron pipe and 8½ tons specials.
D. 54 hydrants and 26 valves, with boxes.
E. Four horizontal duplex pumps.
F. Laying 7⅞ miles pipe.
G. Constructing pump pit and filter basin.
H. Constructing building and foundation.
I. Setting boilers.
J. Installing pumps.

These quantities are approximate and subject to revision. Each proposal must be accompanied by a deposit of at least 3% of the price named.

The right is reserved to reject any or all proposals. For blank forms and specifications, address E. O. BUCHANAN, Secy,
Gallatin, Tennessee.

WALTER G. KIRKPATRICK, Engineer,
Jackson, Miss. 16-1t

U. S. ENGINEER OFFICE, Mobile, Ala., April 12, 1899.—Proposals for DREDGING in Mobile Bay will be received here until 12 m., May 12, 1899. Information on application. WM. T. ROSSELL, Maj., Engrs. 16-4t

NOTICE TO BRICK MANUFACTURERS.

The Paving Commission of the City of Ithaca desire sealed proposals for the furnishing of from 10,000 to 15,000 yards of repressed, vitrified paving bricks. Manufacturers are requested to furnish sample with each bid submitted. Bricks to be delivered upon the streets of the City of Ithaca, and piled under the direction of the Superintendent of the Paving Commission. All bids must be received on or before April 24, 1899.

The Commission reserves the right to reject any and all bids.

CHESTER C. PLATT,
Clerk of Paving Commission, City Hall.
Ithaca, N. Y., April 14, 1899. 16-1t

BRICK PAVING.

GLENS FALLS, N. Y.

Sealed proposals will be received by the Board of Trustees of the Village of Glens Falls, N. Y., up to May 15th, 1899, at 7.30 p. m., for furnishing of all materials and the construction of about 18,000 sq. yds. of vitrified brick pavement on concrete foundation on Glen, Warren, South and Bay Sts., according to plans on file in Clerk's office. The Village reserves the right to reject any or all bids.

Specifications will be ready on or about May 1st, 1899, and can be obtained by addressing W. M. CAMERON,
16-4t Village Clerk.

BRICK PAVING.

NEWPORT, KY.

Sealed proposals will be received by the Board of Improvements of Newport, Ky., at the office of the City Engineer, until 12 o'clock, noon, April 26, 1899, for the reconstruction by paving with brick of 6th St., from York St. to Columbia St. Plans, etc., can be seen at Engineer's office. Deposit of $25.00 must accompany each bid. The right to reject any or all bids is reserved.

W. L. GLAZIER,
16-1t City Engineer.

BRICK PAVING.

WILLIAMSPORT, PA.

Sealed proposals will be received until 12 o'clock, noon, of Monday, May 1st, 1899, by the Highway and Sewer Committee of Councils of the city of Williamsport, Pa., for the repaving with vitrified brick on a concrete foundation of West street, from the south side of Third street to the south side of the old canal right of way, amounting to about 1,080 square yards. Also for the paving with vitrified brick on a concrete foundation of Academy street, between Third street and Fourth street, amounting to about 1,225 square yards. Specifications and blank proposals can be obtained at the office of the City Engineer. Separate bids to be made for each street. All bids to be accompanied by a certified check for $1,000. The city reserves the right to reject any and all bids.

THEO. CORNMAN, GEO. D. SNYDER,
16-1t City Clerk. City Engineer.

STREET WORK.

ITHACA, N. Y.

The City of Ithaca, N. Y., wants proposals from Contractors for furnishing about 25,000 yards of paving of both brick and stone; also for about 10,000 ft. of Medina stone curbing.

For specifications apply to

CHESTER C. PLATT,
Clerk of Paving Commission, Ithaca, N. Y.
16-3t

TREASURY DEPARTMENT, Office Supervising Architect, Washington, D. C., April 17, 1899.—Sealed proposals will be received at this office until 2 o'clock p. m., on the 16th day of May, 1899, and then opened, for the erection and completion (except heating apparatus and electric wire conduits and wiring), of the "Kitchen and Restaurant" building and the "Disinfection, Bath House and Laundry" building at the U. S. Immigrant Station, Ellis Island, New York Harbor, in accordance with the drawings and specifications, copies of which may be had at this office or the office of the Superintendent of Repairs, U. S. Court House and Post Office building, New York city. JAMES KNOX TAYLOR, Supervising Architect. 16-2t

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., April 8, 1899.—Sealed proposals will be received at this office until 2 o'clock p. m., on the 8th day of May, 1899, and then opened, for the heating and ventilating apparatus for the U. S. Post Office building at Brockton, Mass., in accordance with drawings and specifications, copies of which may be had at this office, or at the office of the Superintendent of the above-named building. JAMES KNOX TAYLOR, Supervising Architect. 16-2t

SEWERS.

OLEAN, N. Y.

Sealed proposals will be received by the common council of the city of Olean, until 8 o'clock p. m., on the 2d day of May, 1899, at the council chamber in said city, at which time and place bids will be publicly opened and read, for the construction of a 20-in. sewer in East Sullivan St., extending from Union St. to Barry St., a distance of about 500 ft., and also for the construction of an 8-in. sewer in W. Sullivan St., extending from Tenth St. easterly about 315 ft. Plans and specifications may be seen and bid sheets procured at the office of the Supt. of Streets, city building. The common council reserves the right to reject any or all bids.

E. E. ALLEN, Supt. of Streets.
Dated April 13, 1899. 16-1t

SEWER SYSTEM.

AUBURN, IND.

Sealed proposals will be received by the Trustees of the Incorporated Town of Auburn, DeKalb county, Indiana, until 7.00 o'clock p. m., Wednesday, May 17, 1899, for the furnishing of all material and labor necessary for the complete construction of a combined Sewer System for the urban and suburban districts of said town.

The approximate quantities are:

600	feet of	36-in. Sewer,	8	foot cut.
500	"	30-in. "	4	"
500	"	27-in. "	4	"
3,000	"	24-in. "	4	"
400	"	20-in. "	14	"
13,000	"	18-in. "	12	"
5,500	"	15-in. "	10	"
15,000	"	12-in. "	8	"
2,500	"	10-in. "	8	"
9,000	"	8-in. "	8	"
5,000	"	6-in. "	6	"
1,000	"	4-in. "	4	"
75	Brick Manholes.			
25	Pipe Lamp Holes.			
250	Pipe Catch Basins.			
25	Pipe Flushing Holes.			

Each proposal will be accompanied by a certified check in the sum of One Thousand ($1,000) Dollars, made payable to the president of the board of trustees, and delivered to the town clerk, and will be opened and read by him, or his deputy, at the time stated in the foregoing notice.

16-1t J. J. VAN AUKEN, Engineer.

PUMPING MACHINERY.

CITY OF OTTAWA, CANADA.

Sealed proposals by registered mail will be received at the City Hall by the Chairman of the Water-Works, until noon of Tuesday, 16th May, for furnishing and erecting complete the necessary Water Turbines and Pumps, geared together and to be so arranged, if preferred, that auxiliary electric motors may be attached if decided upon at any later date; all to the entire satisfaction and approval of the City Engineer. Building, foundations, and all necessary masonry, and other incidental work will be done by the Corporation.

Water Turbines can be set to have an average head of 25 feet, and in order to economize space and simplify the installation of additional Pumps in the future, the Water Turbine may be installed for double the present seven million capacity and an alternative price given by the Tenderer. Pumps must have a reliable daily capacity, when pumping direct into city water mains of seven million Imperial gallons against a hydraulic pressure of 125 pounds per square inch, and must be completed on or before the first week of October, 1899.

Tenders to be accompanied with the fullest possible information, including Illustrations, Plans and Specifications, in detail, covering Design, Construction, Material and Finish; also an accepted bank cheque for not less than five per cent. of the tender, payable to the order of the City Treasurer, which will be forfeited if Tenderer declines to enter into a contract when awarded.

Further information can be obtained by direct correspondence with the City Engineer, or by personal visit to Ottawa.

Bidders must furnish satisfactory evidence and proof of their experience and ability to carry out the work, and may offer for the Water Turbines and Pump Sections separately or together.

The Corporation do not bind themselves to accept the lowest or any tender.

J. C. ROGER,
Chairman Water-Works Committee.
JOHN GALT, C. E. & M. E.,
City Engineer.
April 20, 1899. 16-3t

U. S. ENGINEER OFFICE, Army Building, New York, April 15, 1899.—Sealed proposals for DREDGING in Huntington Harbor, N. Y., will be received here until 12 o'clock, noon, May 15, 1899, and then publicly opened. Information furnished on application. H. M. ADAMS, Major, Engrs. 16-4t

U. S. ENGINEER OFFICE, New London, Conn., April 18, 1899.—Sealed proposals in triplicate will be received here until 12 o'clock, noon, May 18, 1899, and then publicly opened, for REMOVAL OF ROCK from Mystic River, and dredging in Thames and Housatonic Rivers, Conn. Information furnished on application. SMITH S. LEACH, Engrs. 16-4t

PROPOSALS FOR CONSTRUCTION OF LOCK AND DAM.—Office, Missouri River Commission, 1515 Locust St., St. Louis, Mo., April 4, 1899.—Sealed proposals for construction of Lock and Dam No. 1, Brennekes Shoal, Osage River, Mo., will be received here until noon, May 6, 1899, and then publicly opened. Information furnished on application. H. M. CHITTENDEN, Capt., Engrs. 15-4t

U. S. ENGINEER OFFICE, Chattanooga, Tenn., April 13, 1899.—Sealed proposals for constructing two DIPPER DREDGES will be received here until noon, Saturday, May 13, 1899, and then publicly opened. Information furnished on application. DAN. C. KINGMAN, Major, Engrs. 15-4t

U. S. ENGINEER OFFICE, New London, Conn., April 10, 1899.—Sealed proposals in triplicate will be received here until 12 o'clock noon, May 10, 1899, and then publicly opened, for DREDGING in Five Mile River and Norwalk Harbors, Conn. Information furnished on application. SMITH S. LEACH, Maj., Engrs. 15-4t

PROPOSALS FOR FURNISHING NATURAL HYDRAULIC CEMENTS.—Office of the Commissioners, D. C., Washington, April 13, 1899.—Sealed proposals will be received at this office until 12 o'clock m., May 6th, 1899, for furnishing 40,000 barrels, more or less, natural hydraulic cements. Blank forms of proposal, specifications and all necessary information may be obtained at this office. JOHN B. WIGHT, JOHN W. ROSS, LANSING H. BEACH, Commissioners, D. C. 16-1t

PROPOSALS FOR STREET LANTERNS.—Office of the Commissioners, Washington, D. C., April 15, 1899.—Sealed proposals will be received at this office until 12 o'clock m., Saturday, May 13, 1899, for furnishing 2,000 Street Lanterns. Specifications and blank forms of proposals may be obtained at this office. JOHN B. WIGHT, JOHN W. ROSS, LANSING H. BEACH, Commissioners, D. C. 16-1t

PROPOSALS FOR NAPHTHA STREET LIGHTING IN THE DISTRICT OF COLUMBIA.—Office of the Commissioners, D. C., Washington, D. C., April 15, 1899.—Sealed proposals will be received at this office until 12 o'clock m., Saturday, May 13, 1899, for lighting the public streets, avenues, alleys and roads in the District of Columbia during the year ending June 30, 1900, with naphtha lamps. Specifications and blank forms of proposals may be obtained at this office. JOHN B. WIGHT, JOHN W. ROSS, LANSING H. BEACH, Commissioners, D. C. 16-1t

U. S. ENGINEER OFFICE, D. S. Morgan Building, Buffalo, N. Y., April 1, 1899.—Sealed proposals for hire of dredging plant for excavation in Niagara River will be received here until 11 o'clock a. m., May 20, 1899, and then opened. Information furnished on application. T. W. SYMONS, Major, Engrs. 16-4t

U. S. ENGINEER OFFICE, Army Building, New York, April 17, 1899.—Sealed proposals for DREDGING and ROCK EXCAVATION in channel of Port Chester Harbor, N. Y., will be received here until 12 o'clock, noon, May 17, 1899, and then publicly opened. Information furnished on application. H. M. ADAMS, Major, Engrs. 16-4t

PROPOSALS FOR DREDGES.—Mississippi River Commission, Fullerton Building, St. Louis, Mo., April 19, 1899.—Sealed proposals in triplicate for construction and delivery of two self-propelling hydraulic dredges complete with machinery, cabin, outfit, etc., will be received here until 12 o'clock, noon, standard time, May 31, 1899, and then publicly opened. Information furnished on application. MASON M. PATRICK, Capt., Engrs., Secy. 16-6t

U. S. ENGINEER OFFICE, New London, Conn., April 18, 1899.—Sealed proposals in triplicate will be received here until 12 o'clock, noon, May 18, 1899, and then publicly opened, for DREDGING in Stamford Harbor, Conn. Information furnished on application. SMITH S. LEACH, Maj., Engrs. 16-4t

U. S. ENGINEER OFFICE, New London, Conn., April 17, 1899.—Sealed proposals for furnishing and delivering SAND at Fisher's Island, N. Y., will be received here until noon, May 17, 1899, and then publicly opened. Information furnished on application. SMITH S. LEACH, Maj., Engrs. 16-4t

U. S. ENGINEER OFFICE, Milwaukee, Wis., April 10, 1899.—Sealed proposals for DREDGING at Menominee River, Oconto, Green Bay, Two Rivers and Milwaukee harbors will be received here until 12 o'clock, noon, standard time, May 17, 1899, and then publicly opened. Information furnished on application. J. G. WARREN, Capt., Engrs. 16-4t

U. S. ENGINEER OFFICE, 57 Park St., Grand Rapids, Mich., April 19, 1899.—Sealed proposals for repairing Government PIER at Saint Joseph, Mich., will be received here until 3 p. m., May 19, 1899, and then publicly opened. Information furnished on application. CHESTER HARDING, Capt., Engrs. 16-4t

U. S. ENGINEER OFFICE, 185 Euclid Ave., Cleveland, O., April 15, 1899.—Sealed proposals for dredging channels and for constructing jetty and bar protection of brush and stone at Sandusky Harbor, Ohio, will be received here until 2 o'clock, p. m., central standard time, May 15, 1899, and then publicly opened. Information furnished on application. JARED A. SMITH, Col., Engrs. 16-4t

DO YOU WANT TO PURCHASE SUPPLIES? —— ALL THE PROMINENT MANUFACTURERS READ ENGINEERING NEWS.

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INDUSTRIAL NOTES

P

Mr. Paul Nash has
Stamford, Conn.

Mr. G. B. Pike has
Kalamazoo, Mich.

Mr. H. C. Thompso
been appointed City

Mr. Harvey Cockell
of the Water-Works

Mr. William Neff h
the Breckenridge Di
Line.

Mr. James Walsh
the Southern Indiana
who has resigned.

Mr. John F. Steven
position as Chief E
succeeding Mr. N. D.

Mr. J. T. Harahan,
Central R. R., was
Mallory, of Memphis

Mr. T. Kennard Th
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Mr. Andrews Alle
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the Chicago office o
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Mr. Charles H. W
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Mr. Edmund B. W
City Engineer and
partment, Providen
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engineer.

Mr. Julian C. G
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Manager of the Hy
2515 Broadway.

Mr. J. B. Gardin
Division of the New
has resigned after
health. He will be
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Senor Esquerra,
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canal, sailed from
Paris, on April 20,

Mr. E. H. Fitzh
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ern Ry., of Cleve
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